

MRC 822 Schematic, Intervac Control Overall Page 3 Grid C2

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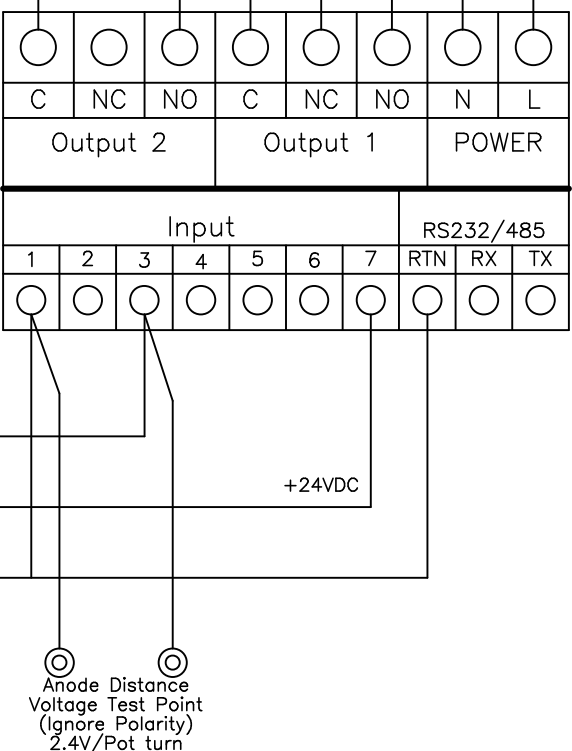
These wires were removed from:

Replace Lift Pot with a 10K ohm, 10 turn pot. Bourns 3540S-1-103

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Anode Distance Adjustment Procedure:
 Connect a voltmeter to measure the voltage at the Anode Distance voltage test point. Set the Anode distance to 1.7 (+/- .01) inches from the cathode. Loosen pot gear set screw and adjust the lift pot until a reading of 2.40 (+/- .01) volts is attained on the voltmeter. Tighten set screw.

Omega Process Controller CNI3233



Omega CNI3233 Controller Menu I.D. (Password) is 1234

SP1=01.70 (inches)	
SP2=00.00 (inches + SP1)	Leave at 0 so SP2=SP1
Configuration (CNFG)	
Input Type Menu (INPT)	
INPT=PROC (Process)	
PROC=0-10	
Reading Menu (RDG)	
DEC=FF.FF	
TEMP=F (doesn't matter)	
FLTR=1	
Input Reading Submenu (IN.RD)	
In1=2400	Adj. Point Voltage (X 100)
Rd1=01.70	Adj. Point (inches)
In2=4800	Adj. Point + 1 Turn Voltage (X 100)
Rd2=06.54	Adj. Point + Pot Gear Circumference (inches)
Alarm 1 Menu (ALR1)	
ALR1=ENBL (Enable)	
ABS0=_DEV (Deviation)	
LTCH=UNLT (Unlatch)	
CT.CL=N.C. (Normally Closed)	
ACTV=ABOV (Above)	
A.P.ON=ENBL (Enable)	
ALR.L=00.00 (doesn't matter)	
ALR.H=00.23	Overshoot Damper (Inches)
Alarm 2 Menu (ALR2)	
ALR2=ENBL (Enable)	N o t e : Adjust the overshoot damper values (ALR.H) to allow your hydraulics to settle on the setpoint. Use a higher number if your anode settles too far from the cathode. Keep the two ALR.H values equal to each other.
ABS0=_DEV (Deviation)	
LTCH=UNLT (Unlatch)	
CT.CL=N.C. (Normally Closed)	
ACTV=ABOV (Above)	
A.P.ON=ENBL (Enable)	
ALR.L=00.00 (doesn't matter)	
ALR.H=00.23	
Loop Menu (LOOP)	
LOOP=DSBL (Disable)	
B.TIM=00:00	
R.ADJ=00.00	
SP.DV=ENBL (Enable)	
OUT1=DSBL (Disable)	
OUT2=DSBL (Disable)	
Ramp=DSBL (Disable)	
ID Menu	
CH.ID=1234 (ID or Password)	Optional
FULL=ENBL (Enable)	Force password to configure
SP.ID=ENBL (Enable)	Force password for setpoints
COMM=NONE	
Color Menu (COLR)	
NCLR=GRN (Green)	
1CLR=RED	
2CLR=AMBR (Amber)	

Materials Required:

Omega Process Controller CNI3233

Bourns 3540S-1-103 10 Turn 10K ohm Potentiometer

2 Black Banana Jacks

3X3 inch Sheet Metal

Black Spray Paint

